

IR-100 Programmable Remote Control User's Manual



1. Contents

1.Contents

2.Organisation of the manual

3.Initial start-up of the system

3.1.Description of the product

3.2.Installation of the programmer

3.3.Inserting the batteries in the remote control

3.4.Installation of the software

4.Description of the interface

4.1.Messages area

4.2.Progress area

4.3.Operations area

4.4.Remote control memory area

5.Use of the program

5.1.Basic functional features

5.2.Advanced functional features

6.Appendices

6.1.Table of types

6.2.Solving common problems

6.3.Rapid start-up

6.4.Correlation table of keys

2. Organisation of the manual

For an abbreviated description of the installation and programming, go directly to paragraph 6.3, Rapid start-up

The present manual is divided into three main sections:

- Initial start-up of the system
- Description of the interface
- Use of the program

followed by Appendices structured in this manner:

- Table of types
- Solving common problems
- Rapid start-up

Reference should be made to the individual sections for a detailed description of the contents.

3. Initial start-up of the system

This section describes the preliminary steps to the activation of the system. Under normal use, these procedures are no longer necessary.

3.1. *Description of the product*

The product consists of:

- The software for the programming of IR-100 (you can download it from the following link (<http://www.remotecontrols.gr>)
- The IR-50 USB Programmer. The programmer, used in combination with the software, makes it possible to eliminate the lengthy programming procedures of traditional universal remote controls, in addition to providing a constantly updated database
- An IR-100 Programmable Remote Control. Once it has been programmed, the remote control can be used to replace the original. It does not lose its memory when batteries are changed, and it can be reprogrammed at any point in time.

3.2. *Installation of the programmer*

Connect the IR-50 programmer to an available USB port; the system shall signal recognition of the peripheral unit, but only on the first occasion. After a few instants the programmer shall start to blink at a frequency of roughly one blink per second. The installation is complete.

The programmer is compatible with the USB ports 1.1 and 2.0.

The programmer has been designed as an HID device, meaning that the system recognises it as a common peripheral (mouse, keyboard?, without the need for supplementary drivers.

In the case of continued use of the programmer, it is best to set it fast, using an adhesive strip, in a position that facilitates frontal alignment of the remote control, at a distance of approximately 1 centimetre.

3.3. *Inserting the batteries in the remote control*

The remote control functions with two mini-flashlight batteries at 1.5 volts (LR03/AM4/AAA) (preferred batteries Konnoc ALK-03).

Close attention should be paid to the polarity of the batteries when placing them inside the remote control.

When the batteries have been correctly inserted, the POWER button turns red when a key is pushed.



3.4. Installation of the software

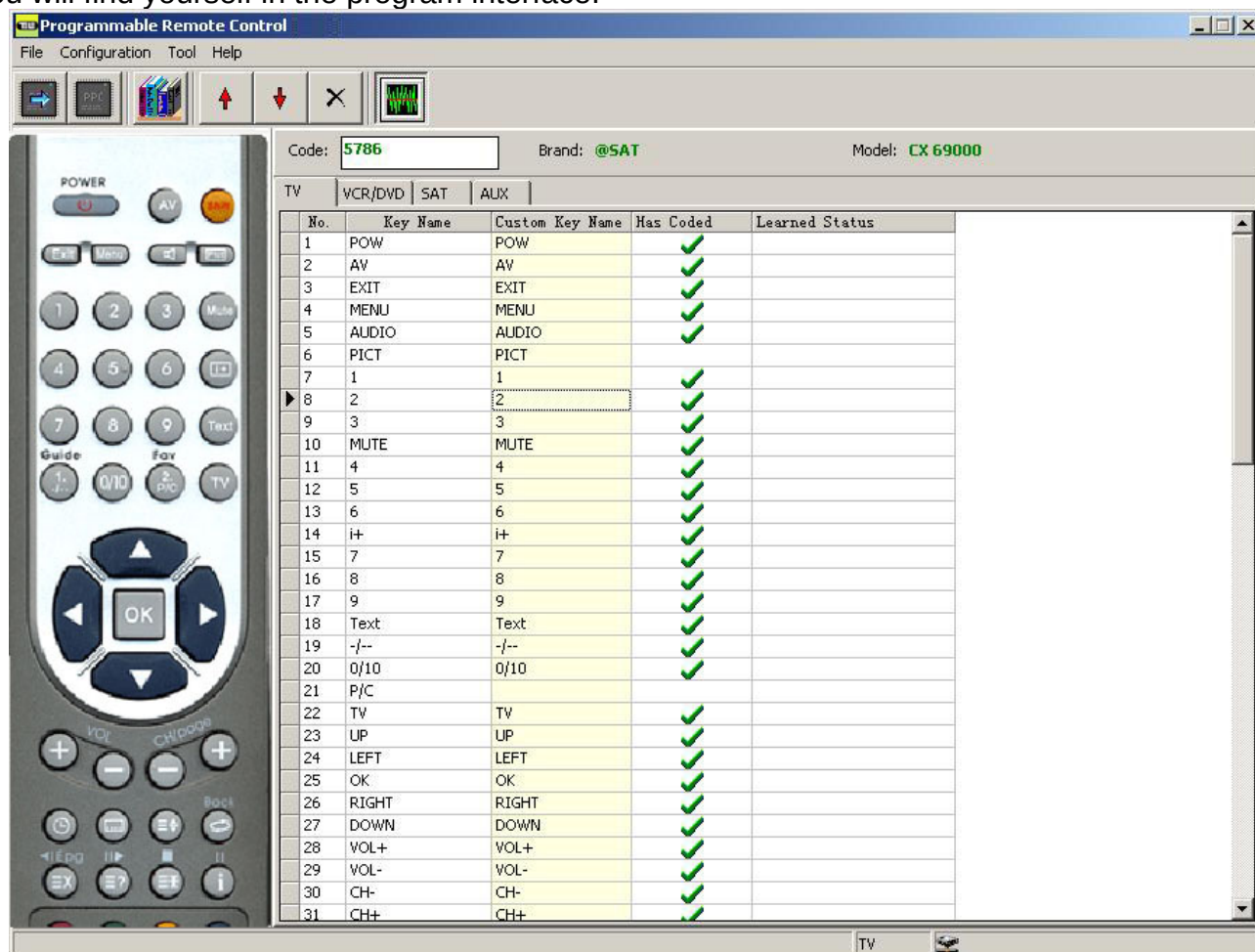
Download the program from the following link (same as above <http://www.remotecontrols.gr>), unzip it and run the SETUP.EXE program. The program will guide you through the steps to be followed.

4. Description of the interface

After approximately three seconds, during which the start-up screen is displayed,



you will find yourself in the program interface.



There are four main areas in the interface:

- A. MESSAGES AREA
- B. PROGRESS AREA
- C. OPERATIONS AREA
- D. REMOTE CONTROL MEMORY AREA

See the individual paragraphs for detailed descriptions.

4.1. Messages area

This zone displays the messages that guide the user through the individual operations, indicating the current operation and the action required. There are two parts to this area: the one on the left presents the message in text format; the one on the right a support image or animation.

4.2. Progress area

The progress area, in the central portion of the screen, displays the buttons, that allow to activate an operation and that indicate, with green led, the stage reached with the programming operations for the remote control.

4.3. Operations area

This area holds the indicators and lists available for selection, based on the phase active at any given point in time. There are two possible options:

- **Dialogue with the remote control**, displayed during the Identification phase (see paragraph 5.1.1) and the programming phase (see paragraph 5.1.3)
- **Selection of the codes**, displayed during the memorisation phase (see paragraph 5.1.2)

4.4. Remote control memory area

This zone displays the updated memory situation for the remote control being used, indicating the make and model, if set, for each memory.

5. Use of the program

This section presents descriptions of the functional features used inside of the software once it has been installed. These features are subdivided into two groups:

- **Basic functional features**: the set of functions necessary and sufficient for the programming of the remote control
- **Advanced functional features**: features not strictly necessary, but capable of updating the database and customising a number of parameters.

5.1. Basic functional features

The programming software is designed for rapid performance of the three fundamental steps in the programming of the remote control. These are:

- **Identification** of the remote control to be programmed
- **Memorisation** of the device(s) to be controlled
- **Programming** of the remote control

Reference should be made to the paragraphs that follow for a detailed description.

5.1.1. Identification

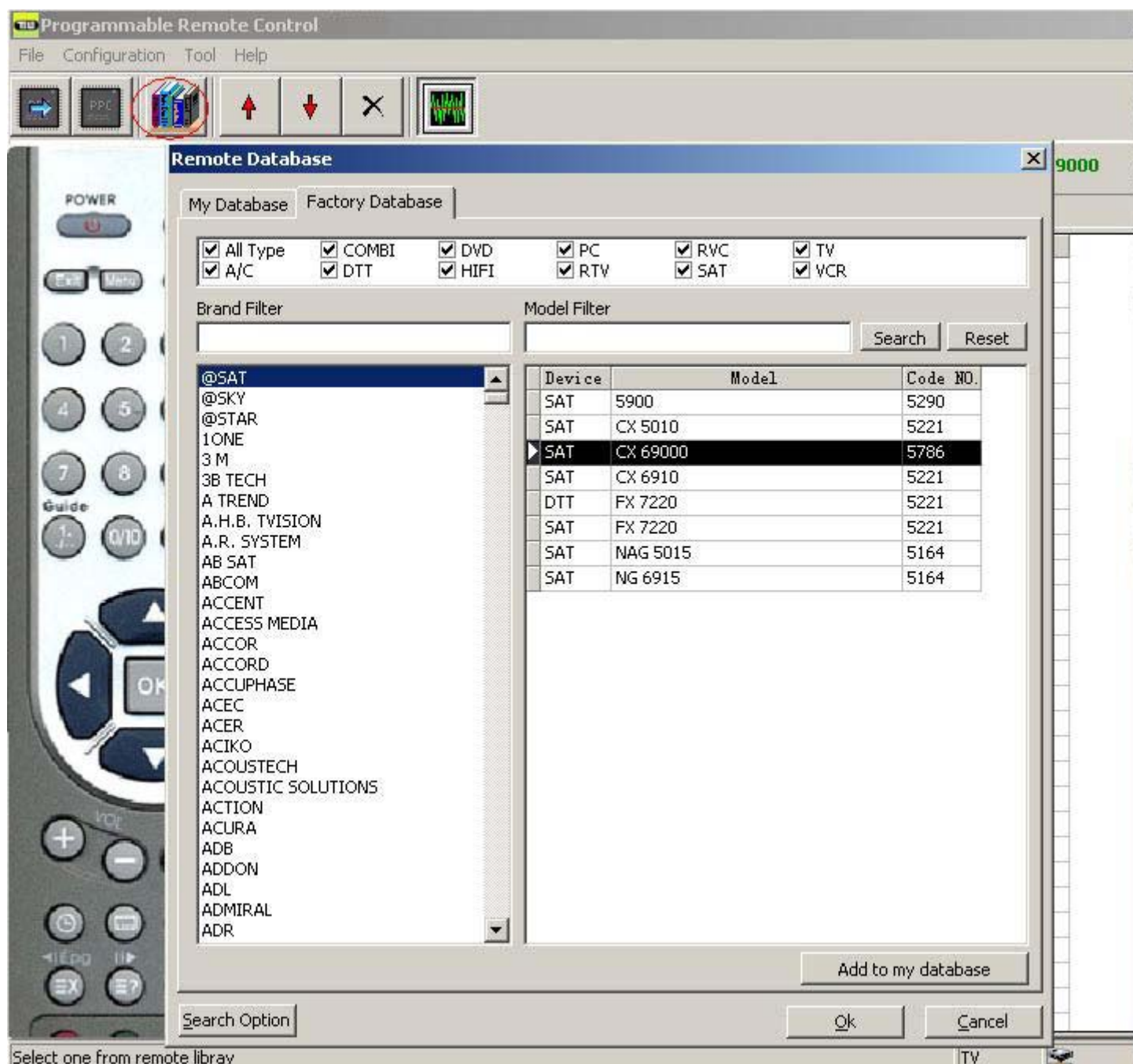
During this phase, the software recognises the remote control to be programmed and procures (if present) the codes already programmed in the remote control.

The remote control is simply brought near the programmer, after simultaneously pushing the left and the right arrow keys, until the remote control led starts blinking.



5.1.2. Memorisation

This is the phase during which the devices to be entered in the memory or memories (represented by the four squares holding codes at the centre of the video) are identified on the basis of their make and model).



There are a number of modes for finding the code, based on the known information regarding the device:

Known information	What to do
make and/or model	Select the make from the list on the right side of the screen Find the model of the device in the central column Double click on the model identified
only the model	Enter the model, or a portion of the model, in the "SEARCH" field and press the related key Scroll the list obtained in this fashion to find the model from among the possible makes Double click on the model identified
Code	Enter the code directly in the field of the memory desired

There are also a number of possible methods for selecting and entering the code

- Selecting the memory desired with a click and entering the code manually

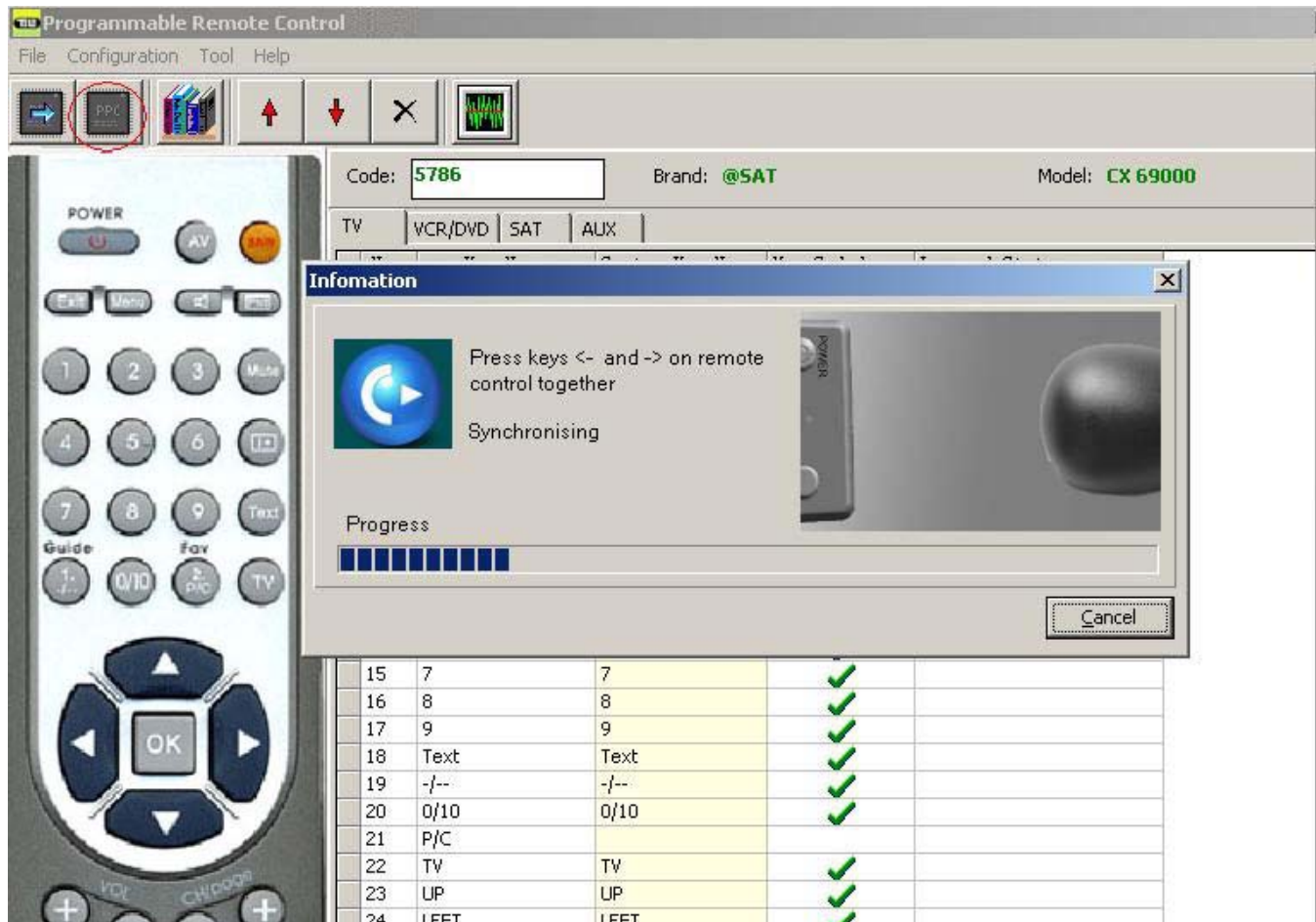
- Selecting the memory desired with a click and double clicking on the code identified (using this technique, the program activates the next memory)
- Clicking with the right key on the code identified and selecting the desired memory (on the simultaneous menu that appears).

5.1.3. Programming

The software programs the remote control with the codes previously identified.

As during the identification phase, the remote control is simply brought near the programmer, after the two opposing keys (right arrow and left arrow) have been pressed at the same time, until the remote control led begins to blink.

Using the signal intensity bar, the program shall indicate the correct positioning of the remote control, while the progress bar shall show the stage of completion of the programming operation.



During the programming, a blinking yellow signal light will appear, turning green when the programming is completed.

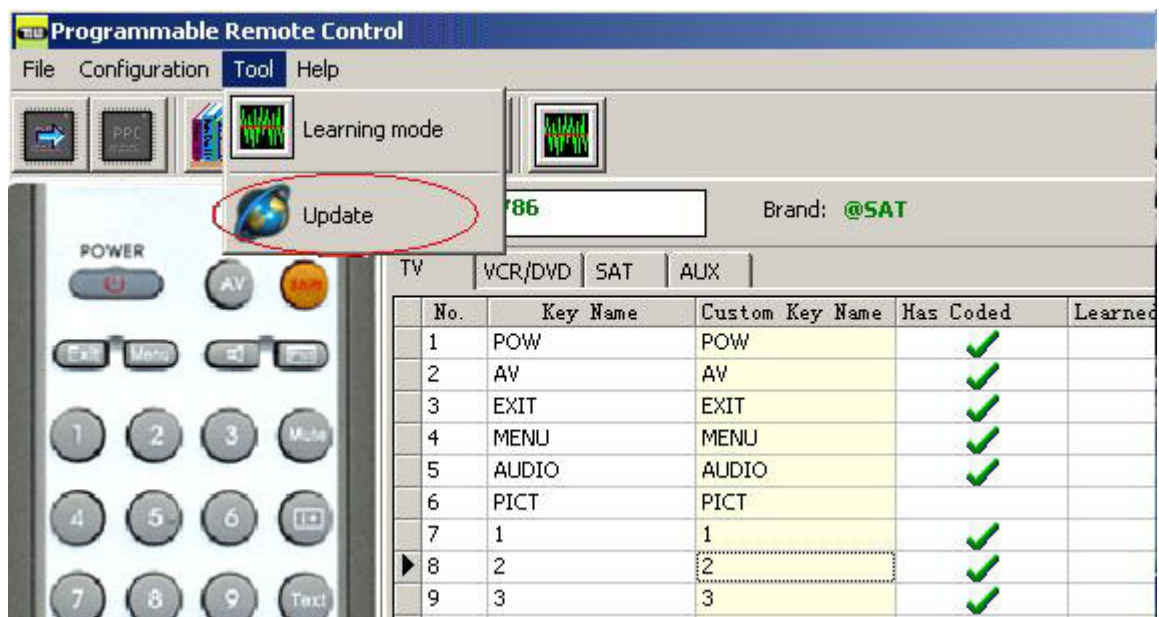
At the end of this operation, the **remote control is ready to be used normally.**

5.2. Advanced functional features

5.2.1. Updating of the database

New markets are placed on the market daily, together with their remote controls; this software uses a database that, at the time of the writing of the present booklet, contains more than 100,000 entries and is constantly updated. If you wish to add new codes to your software, simply carry out the few easy-to-follow steps described below.

To update the catalogue, an active Internet connection is necessary. First the connection must be made, and then the item 'Update Catalogue' is selected from the 'Update' menu.



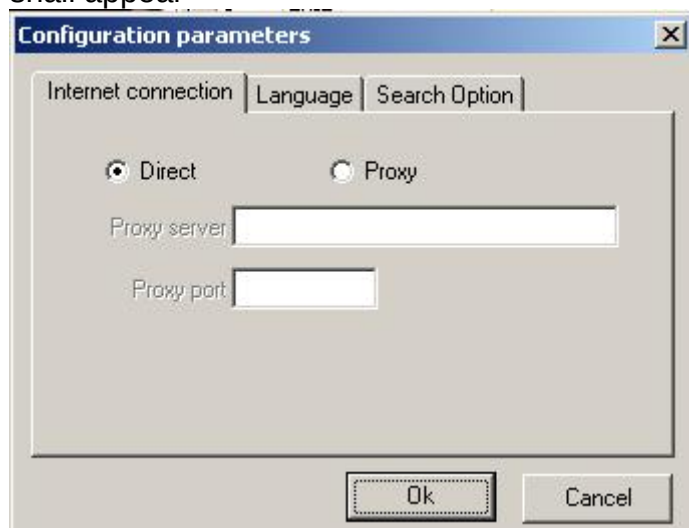
Certain software for the protection of PCs (antivirus / firewall) could prevent connection or make necessary configuration operations.

Should you find yourself on a network where Internet is accessed by proxy, you must set the configuration of the necessary parameters on the configuration menu, requesting the information from the network administrator (the software uses standard http requests on port 80).

By selecting the item "Information" from the "Guide" menu (see paragraph 5.2.3 of this manual), you can control the date on which the database was last updated.

5.2.2. Configuration

When the item "configuration" is selected from the "configuration" menu, the following mask shall appear



Internet Connection

Direct/Through proxy: Select the type of connection, based on your own configuration.

Proxy server/Proxy port If your connection is made through a proxy, enter the relevant information in the proper spaces

Language Select your language

Characters ignored in search Enter the characters that should be ignored while the database is searched. Suggested entries include: -. (space, minus sign, period)

Automatic search

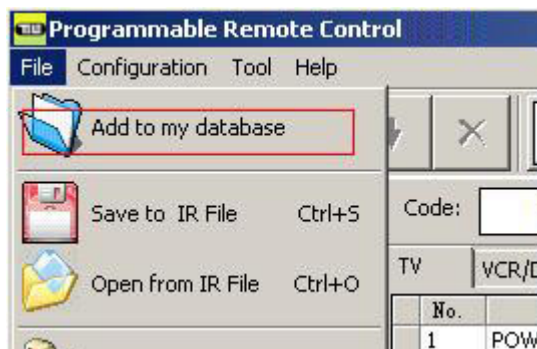
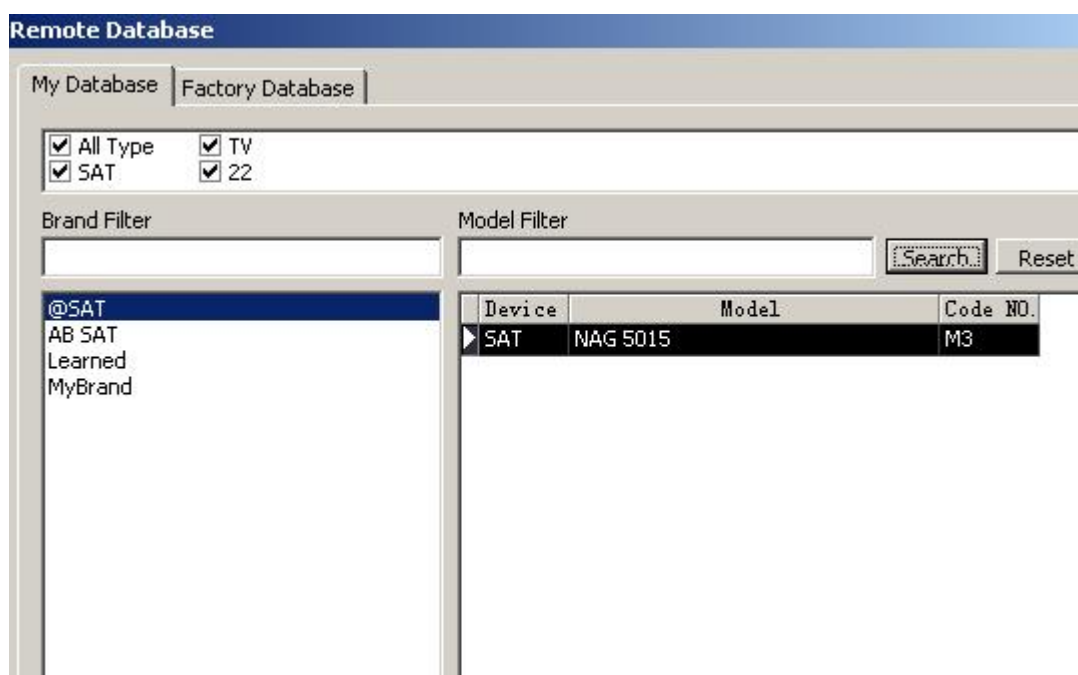
Activated/Deactivated While you write in the search field, the system automatically carries out the search; click on the box to activate or deactivate the automatic search.

Delay Select the amount of time the system should wait before initiating the automatic search

Search by type Activated/Deactivated: Makes available or withholds the field for filtering the display of the codes on the base of the type of device (TV, VCR, DVD, etc)

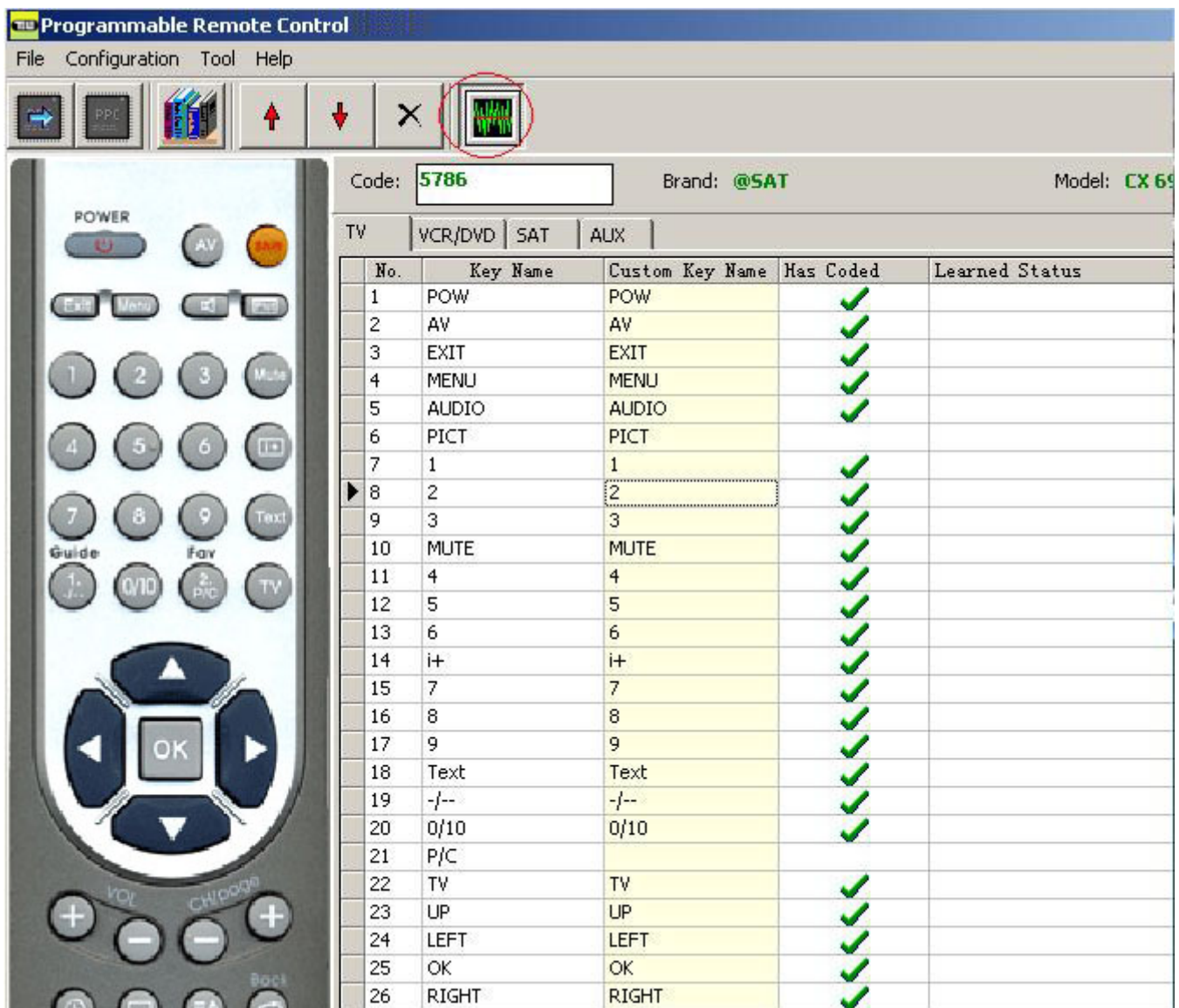
5.2.3. My database

You can have own library. The code data of Remote control in factory database can be inserted into my database, can also is the code data of learned.



5.2.4. Set up own Remote library by learning

After search, the make and model you need can't be found yet, you may look for another remote of same model, then learn it into your PC according to software instructions. After all keys has been learned, you may store this remote's make and model to setup your own remote library for later usage.



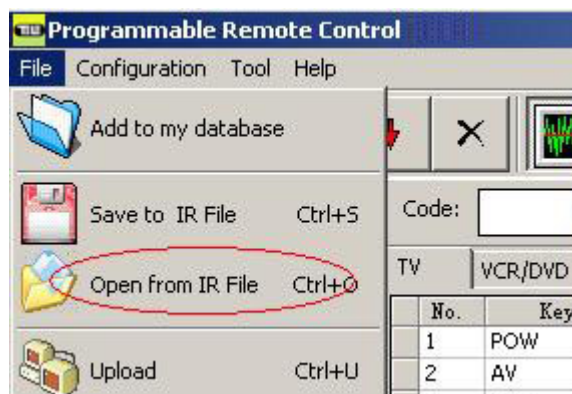
Usb cable connected to your computerusb first, then learning button will be enabled.The led lamp of PROGRAMMER will be turned on when select the learning button,then press the key of learned remote control against PROGRAMMER. the software UI will show the decoding status.

5.2.5. Save learned code file

After learned your own remote code datas,you can save them with txt file or add to my database.



5.2.6. Open ir code file



5.2.7. Uploading own Remote library to library server

If you are kind enough, you may upload your own remote library to library server. Once one or some of remote data is adopted, your name perhaps will be appear in library origin.

5.2.8. Information

When the "Guide" Menu is selected, followed by the item "Information" a mask containing the following information shall appear:

- Name and version of the program
- Date on which the database was last updated
- Version and serial number of the connected programmer



6. Appendices

6.1. Table of types

COMBI	TV models with built-in Dvd/Vcr readers
DVD	Dvd, Vcd models
HIFI	Hi-fi stereo, video dsp models and audio devices in general
RTV	Original TV remote control models
RVC	Original Vcr, Dvd, Vcd remote control models
SAT	Analogue/satellite and DTT receiver models
TV	Tv, Lcd and Plasma models
VCR	Vcr models
DVR	DVR models

6.2. Solving common problems

PROBLEM	CAUSE	SOLUTION
The remote control does not blink	Batteries dead or inserted incorrectly	Control the batteries
The remote control blinks continuously	The remote control has not been correctly programmed	Program the remote control
Certain keys do not work	This is correct	Depending on the code programmed, the same functions as the original remote control will be available, meaning that some keys may not be active
I cannot find a function/key		An appendix to the section Map of standard keys/functions contains the table with the functions of the original remote control
The programmer does not blink	The operating system has not been recognised	The programmer may be used with the WINDOWS systems, version 98SE onward.
	The USB port used is not active	Consult the documentation for your PC or try another port
The programmer blinks continuously	This is normal	The programmer blinks at a frequency of approximately one second to indicate that it is correctly inserted and in operation
The software does not dialogue with the remote control	Distance too far	To operate properly, the remote control must be placed roughly a centimetre from the programmer and aligned with it
	The programmer is not active	Control that the programmer blinks more rapidly during the recognition phase
	The remote control is not active	Make sure that the remote control led blinks
	The remote control and the programmer are not correctly matched	The programmer and the related software are designed to program only compatible remote controls
The update does not function	Lack on Internet connection	Make sure that the connection is active
	Firewall or antivirus	Control that the software protecting the pc is not preventing connections to the program
	Proxy not configured or protected by a password	The software carries out the update only through a direct connection or by means of a proxy without an access control
The software does not display any of the table columns	Non-standard font size	Modify the size of the columns by selecting the far upper right

For any other problems or doubts, please contact us directly or via email (service@tele.gr) .

6.3. Rapid start-up

- Connect the IR-50 programmer to an available USB port
- Download the software from <http://www.remotecontrols.gr> and unzip it.
- Install the program.

- Start-up the program.
- Insert the batteries in the IR-100 programmable remote control.
- Push the right and left arrow buttons of the remote control together, until the led starts to blink, and position the remote control roughly two centimetres from the programmer
- Wait for recognition by the program
- Select the make and the model of the device(s) desired
- Push the “PROGRAM” button
- Push the right and left arrow keys of the remote control together, until the led starts to blink, and position the remote control roughly two centimetres from the programmer

When the light turns green, indicating that the programming has been completed

The remote control is ready to be used normally.

The memory is not lost when batteries are changed.

It may be reprogrammed at any point in time.

6.4. Correlation table of keys

Search for the symbol of the desired function in the columns; once you have found it, push the corresponding key on the remote control (shown in the first column), having first activated the SHIFT key if it belongs to a red column.

Layout keys	TV		SAT		DVD		VCR		HIFI	
	Direct	Shift	Direct	Shift	Direct	Shift	Direct	Shift	Direct	Shift
	on/off TV	on/off VCR	on/off SAT		on/off DVD		on/off VCR		Power	
	TV/AV	AV 2	TV/SAT	SAT SKY	DVD/TV	Input Source	VCR/TV	Input Source	Input Source	Aux Video
	Shift Key		Shift Key		Shift Key		Shift Key		Shift Key	
	Off Menu	Exit	Menu	Navl Mode	Return	Syst. Preset	Exit	Syst.	Funcl. Direct	Tuner Bypass
	Menu Audio	S. Sd	Audio	Audio	Menu	Mode	Menu	Show View	CD Theater	Fm mode Disc skip
	Menu Video	P. Sd	Video	Interact.	Top Menu	Audio	Audio	Case Tape	Tape 1 Halls	Photo Scan
	1	On PIP	1	De-emph	1	5.1 Ch	1	Once	Tape 2 Pres/eq	Band
	2	Swap	2	abc	2	2.1 Ch	2	Daily	Pr 1	Disc 1
	3	Rotate PIP	3	def	3	Pro Logic	3	Weekly	Pr 2	Disc 2
	4	Audio Off	4	ghi	4	Audio Off	4	Eject Revers	Pr 3	Disc 3
	5	On PIP	5	jkl	5	Nasc/Pal	5	Op. A. Cr	Mute	Eject
	6	Help	6	mno	6	Effect	6	RecMode PtiCheck	Pr 4	Disc 4
	7	Display Recall	7	pqr	7	EQ	7	Time Record	Pr 5	Disc 5
	8	Copy	8	tuv	8	Mark	8	Mark Add/Del	Pr 6	6 Ch Seq
	9	Clear 2020	9	xyz	9	Erase	9	Erase	Pr 7	Mark Delete
	0	Text TV/Test	0	Radio	0	Repeat 1/All	0	Sp/Lp Speed	Pr 8	Erase Score
	Guide Sel 1/2	3. *	Guide Pilot	Auth. DISCQC	+10	Digest	-/-	Next Syrv	Repeat	Edit
	2. Fav P/C	4. 16.9	Fav C/P	Alt 16.9	0	Dimmer	0	Prog. C/Ch	Mode +10	
	Return TV	Scan	TV	Scan Setup	C/Ch	3D	Mon. TV	Info Intro	Pr 0/10	Dimmer
	Menu Up	Search	Menu Up	Search	Repl. A-B	Setup	Menu Up	Search Index	Program	Space 3D Default
	Menu Left	Tune	Menu Left	Tune	Menu Left	Key	Menu Left	Index Pict	Random	Intro
	Menu Right	Tune	Menu Right	Tune	Menu Right	Key	Menu Right	Index Pict	CD/Play	Search Center
	Menu Down	Store	Menu Down	Store	Menu Down	Store	Menu Down	Store	CD/rew	Tune Vol Sa
	Volume +		Volume +		Volume +	Vocal Assist	Tracking +	Set +	CD/stop	Center
	Volume -		Volume -		Volume -	Tone	Tracking -	Set -	CD/Fwd	Tune Vol Sa +
	Chan. Down	Ch/pag	Ch/pag		Prev	Echo	Prev	Chan	CD/pause	Store Center
	Chan. Up	Ch/pag	Ch/pag		Next	Echo	Next	Chan	Volume	Track +
	Sleep Timer	Off/Tin	Sleep Timer	Syst. Serv	Auto/Track	Timer	Auto/Track	Timer	Volume	Track +
	Subt. List	On/Tin	Subt. List	+	Subt.	Np	Slow/Dps	Frame	Volume	Track +
	Game Exp	Zoom	Game Exp	Zoom	Game	Slow/Dps	Frame	Frame	Volume	Track +
	Back	Browse	Back	Browse	Progr.	Remain	Y Set Clock	Count Remain	Volume	Track +
	Egg	West	Egg	West	Slow	Resume	Slow	Counter Clock	Volume	Track +
	Reveal	Opt ?	Dev		Slow	Karaoke Step	F Adv	Counter Memory	Volume	Track +
	Txt Stop	App	Freeze		Stop	Play Back	Stop	Counter Stop	Volume	Track +
	Info P 100	Info	Dec Pause		Pause	Info	Pause	Counter Reset	Volume	Track +
	Fastest Red	Green	East		Record	Audio Out	Record	Audio Out	Volume	Track +
	Fastest Green	Yellow	Lang		Rev	Lang	Rev	Lang	Volume	Track +
	Fastest Yellow	Blue	Lang		Play	Random	Play	Random	Volume	Track +
	Fastest Blue	Blue	Lang		F.Fwd	Shuffle	F.Fwd	Shuffle	Volume	Track +